

Array

Enhanced for Loops

Lecture Contents

- Review for loops
- for loops and Arrays
- Enhanced for loops

Review of for loops

```
for(int i=1; i<=max; i++) {  
    System.out.print(i + " ");  
}
```

```
int i = 1;  
while(i<=max) {  
    System.out.print(i + " ");  
    i++;  
}
```


for loops and Arrays

```
int[] a = { 1, 3, 15, 7, 9 };  
  
for(int i=0; i<a.length; i++) {  
    System.out.print(a[i] + " ");  
}
```

for loops and Arrays

```
int[] a = { 1, 3, 15, 7, 9 };  
  
for(int i=0; i<a.length; i++) {  
    System.out.print(a[i] + " ");  
}
```

1 3 15 7 9

Enhanced for loops

```
int[] a = { 1, 3, 15, 7, 9 };  
  
for(int i=0; i<a.length; i++) {  
    System.out.print(a[i] + " ");  
}  
  
for(int x : a) {  
    System.out.print(x + " ");  
}
```

1 3 15 7 9

Enhanced for loops

```
int[] a = { 1, 3, 15, 7, 9 };
```

```
int count = 0;  
for(int x : a) {  
    x = count;  
    count++;  
}  
PrintArray.printArray(a);
```


Enhanced for loops

```
int[] a = { 1, 3, 15, 7, 9 };
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```
int count = 0;  
for(int x : a) {  
    x = count;  
    count++;  
}  
PrintArray.printArray(a);
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```
{ 1, 3, 15, 7, 9 }
```


Enhanced for loops

```
int[] a = { 1, 3, 15, 7, 9 };
```

```
int count = 0;  
for(int x : a) {  
    x = count;  
    count++;  
}
```

```
PrintArray.printArray(a); }
```

```
count = 0;  
for(int i=0; i<a.length; i++) {  
    x = a[i];  
    x = count;  
    count++;  
}
```

```
{ 1, 3, 15, 7, 9 }
```

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